

### Sanitary Facilities

The nature of the soil is important in selecting sites for sanitary facilities, and in identifying limiting soil properties and site features to be considered in planning, design, and installation. Soil limitations ratings of slight, moderate, or severe are given for septic tank absorption fields, sewage lagoons, and trench and area type sanitary landfills. Soil suitability ratings of good, fair, and poor are given for daily cover for landfills. Limitations or suitability terms used in this subsection are as follows:

Slight (or Good) - relatively free of limitations or limitations are easily overcome.

Moderate (or Fair) - limitations need to be recognized, but usually can be overcome with good management or special design.

Severe (or Poor or Very Poor) - limitations are difficult or impractical to overcome.

### Sanitary Facility Type

Septic Tank Absorption Fields are subsurface systems of tile or perforated pipe that distribute effluent from a septic tank into the natural soil. The centerline depth of the tile is assumed to be at a depth of 24 inches. Only the soil between depths of 24 and 60 inches is considered in making the ratings. The soil properties and site features considered are those that affect the absorption of the effluent, those that affect the construction and maintenance of the system, and those that may affect public health.

Sewage Lagoons are shallow ponds constructed to hold sewage while aerobic bacteria decompose the solid and liquid wastes. Lagoons have a nearly level floor surrounded by cut slopes or embankments of compacted, relatively impervious soil material. Aerobic lagoons generally are designed so that the depth of sewage is 2 to 5 feet. Relatively impervious soil for the lagoon floor and sides is desirable to minimize seepage and contamination of local ground water.

Sanitary Landfill (trench) is a method of disposing of solid waste by placing refuse in successive layers in an excavated trench. The waste is spread, compacted, and covered daily with a thin layer of soil that is excavated from the trench. When the trench is full, a final cover of soil material at least 2 feet thick is placed over the landfill. Properties that influence risk of pollution, ease of excavation, trafficability, and revegetation are major considerations.

Sanitary Landfill (area) is a method of disposing of solid waste by placing refuse in successive layers on the surface of the soil. The waste is spread, compacted, and covered daily with a thin layer of soil that is imported from a source away from the site. A final cover of soil at least 2 feet thick is placed over the completed landfill. Properties that influence trafficability, revegetation, and risk of pollution are the main considerations for area type sanitary landfills.

Daily Cover For Landfill is the soil material that is applied daily to compacted solid waste in an area type sanitary landfill. The cover material is obtained offsite, transported, and spread on the area. Suitability of a soil for use as cover is based on properties that reflect workability and the ease of digging and of moving and spreading the material over the refuse daily during both wet and dry periods.

See the National Soil Survey Handbook, Part 620, for criteria used in rating specific uses.

**SANITARY FACILITIES****Knox and Lincoln County**

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<b>Soil name and map symbol</b>	<b>Septic Tank Absorption Fields</b>	<b>Sewage Lagoon Areas</b>	<b>Trench Sanitary Landfill</b>	<b>Area Sanitary Landfill</b>	<b>Daily Cover For Landfill</b>
<b>AdB</b>					
ADAMS	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, too sandy
<b>AdC</b>					
ADAMS	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, too sandy
<b>AdD</b>					
ADAMS	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, slope, too sandy
<b>AgA</b>					
ALLAGASH	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
<b>AgB</b>					
ALLAGASH	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
<b>AgC</b>					
ALLAGASH	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
<b>Be</b>					
BEACHES	Severe: flooding, poor filter, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Poor: seepage, too sandy, wetness
<b>Bg</b>					
BIDDEFORD	Severe: percs slowly, ponding	Severe: excess humus, ponding	Severe: ponding, too clayey	Severe: ponding	Poor: hard to pack, ponding, too clayey

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<b>BoB</b>					
BOOTHBAY	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: wetness
<b>BoC</b>					
BOOTHBAY	Severe: percs slowly, wetness	Severe: slope, wetness	Severe: wetness	Severe: wetness	Poor: wetness
<b>BoD2</b>					
BOOTHBAY	Severe: percs slowly, slope, wetness	Severe: slope, wetness	Severe: slope, wetness	Severe: slope, wetness	Poor: slope, wetness
<b>Bp</b>					
BOROSAPRISTS	Severe: percs slowly, ponding	Severe: excess humus, ponding, seepage	Severe: excess humus, ponding, seepage	Severe: ponding, seepage	Poor: excess humus, ponding
<b>BsB</b>					
BRAYTON	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: small stones, wetness
<b>BtB</b>					
BRAYTON	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: small stones, wetness
<b>BuB</b>					
BUXTON	Severe: percs slowly, wetness	Moderate: slope	Severe: too clayey, wetness	Severe: wetness	Poor: hard to pack, too clayey, wetness
<b>BuC</b>					
BUXTON	Severe: percs slowly, wetness	Severe: slope	Severe: too clayey, wetness	Moderate: slope, wetness	Poor: hard to pack, too clayey
<b>BuD2</b>					
BUXTON	Severe: percs slowly, slope, wetness	Severe: slope	Severe: slope, too clayey, wetness	Severe: slope	Poor: hard to pack, slope, too clayey

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<b>Ch</b>					
CHARLES	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Poor: wetness
<b>Dp</b>					
DUMPS	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
<b>PITS</b>					
PITS	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
<b>EgB</b>					
ELDRIDGE	Severe: percs slowly, poor filter, wetness	Severe: seepage, wetness	Severe: too clayey, wetness	Severe: seepage, wetness	Poor: too clayey, wetness
<b>HeB</b>					
HERMON	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
<b>HeC</b>					
HERMON	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
<b>HtB</b>					
HERMON	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
<b>HtC</b>					
HERMON	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
<b>HtD</b>					
HERMON	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy

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<b>HxB</b>					
HERMON	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
<b>HxC</b>					
HERMON	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
<b>Le</b>					
LOVEWELL	Severe: flooding, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Severe: flooding, wetness	Poor: seepage, too sandy
<b>LmB</b>					
LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock
BRAYTON VARIANT	Severe: depth to rock, percs slowly, wetness	Severe: depth to rock, wetness	Severe: depth to rock, wetness	Severe: depth to rock, wetness	Poor: depth to rock, small stones, wetness
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
<b>LrB</b>					
LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
TUNBRIDGE	Severe: depth to rock	Severe: depth to rock, seepage	Severe: depth to rock, seepage	Severe: depth to rock, seepage	Poor: area reclaim

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<b>LrC</b>					
LYMAN	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
TUNBRIDGE	Severe: depth to rock	Severe: depth to rock, seepage, slope	Severe: depth to rock, seepage	Severe: depth to rock, seepage	Poor: area reclaim
<b>LrE</b>					
LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, seepage, slope	Poor: depth to rock, slope
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, slope
TUNBRIDGE	Severe: depth to rock, slope	Severe: depth to rock, seepage, slope	Severe: depth to rock, seepage, slope	Severe: depth to rock, seepage, slope	Poor: area reclaim, slope
<b>MaB</b>					
MADAWASKA	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, too sandy, wetness
<b>MrB</b>					
MARLOW	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones, wetness
<b>MrC</b>					
MARLOW	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope, wetness	Fair: slope, small stones, wetness

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<b>MrD</b>					
MARLOW	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
<b>MsB</b>					
MARLOW	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones
<b>MsC</b>					
MARLOW	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Fair: slope, small stones
<b>MsD</b>					
MARLOW	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
<b>MtB</b>					
MARLOW	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones, wetness
<b>MtC</b>					
BERKSHIRE	Moderate: percs slowly	Severe: seepage	Severe: seepage	Severe: seepage	Poor: small stones
<b>MtC</b>					
MARLOW	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope, wetness	Fair: slope, small stones, wetness
<b>MtC</b>					
BERKSHIRE	Moderate: percs slowly, slope	Severe: seepage, slope	Severe: seepage	Severe: seepage	Poor: small stones
<b>MwB</b>					
MARLOW	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones

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<b>MwB</b>					
BERKSHIRE	Moderate: percs slowly	Severe: seepage	Severe: seepage	Severe: seepage	Fair: small stones
<b>MwC</b>					
MARLOW	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Fair: slope, small stones
BERKSHIRE	Moderate: percs slowly, slope	Severe: seepage, slope	Severe: seepage	Severe: seepage	Fair: slope, small stones
<b>MwD</b>					
MARLOW	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
BERKSHIRE	Severe: slope	Severe: seepage, slope	Severe: seepage, slope	Severe: seepage, slope	Poor: slope
<b>MxB</b>					
MASARDIS	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
<b>MxC</b>					
MASARDIS	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
<b>MxD</b>					
MASARDIS	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy
<b>My</b>					
MEDOMAK	Severe: flooding, ponding	Severe: flooding, ponding	Severe: flooding, ponding	Severe: flooding, ponding	Poor: ponding



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<b>Na</b>					
NAUMBURG	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, too sandy, wetness
<b>PaB</b>					
PERU	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Moderate: wetness	Fair: small stones, wetness
<b>PaC</b>					
PERU	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Moderate: slope, wetness	Fair: slope, small stones, wetness
<b>PbB</b>					
PERU	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Moderate: wetness	Fair: small stones, wetness
<b>PbC</b>					
PERU	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Moderate: slope, wetness	Fair: slope, small stones, wetness
<b>Pg</b>					
PITS	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Slight:	Poor: seepage, small stones, too sandy
<b>Rc</b>					
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, slope
<b>RmC</b>					
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
<b>LYMAN</b>	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock

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<b>RmE</b>					
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, slope
<b>LYMAN</b>					
LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, seepage, slope	Poor: depth to rock, slope
<b>Sc</b>					
SCANTIC	Severe: percs slowly, wetness	Slight:	Severe: too clayey, wetness	Severe: wetness	Poor: hard to pack, too clayey, wetness
<b>Sp</b>					
SEARSPORT	Severe: ponding, poor filter	Severe: excess humus, ponding, seepage	Severe: ponding, seepage, too sandy	Severe: ponding, seepage	Poor: ponding, seepage, too sandy
<b>StB</b>					
SHEEPSCOT	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, small stones, too sandy
<b>Su</b>					
SULFIHEMISTS	Severe: flooding, ponding	Severe: excess humus, flooding, ponding	Severe: excess humus, flooding, ponding	Severe: flooding, ponding	Poor: excess humus, excess salt, ponding
<b>SULFAQUENTS</b>					
SULFAQUENTS	Severe: flooding, percs slowly, ponding	Severe: flooding, ponding	Severe: excess humus, flooding, ponding	Severe: flooding, ponding	Poor: excess salt, hard to pack, ponding
<b>Sw</b>					
SWANVILLE	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: wetness
<b>TrB</b>					
TUNBRIDGE	Severe: depth to rock	Severe: depth to rock, seepage	Severe: depth to rock, seepage	Severe: depth to rock, seepage	Poor: depth to rock, small stones

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<b>TrB</b>					
LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock, small stones
<b>TrC</b>					
TUNBRIDGE	Severe: depth to rock	Severe: depth to rock, seepage, slope	Severe: depth to rock, seepage	Severe: depth to rock, seepage	Poor: depth to rock, small stones
LYMAN	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock, small stones
<b>TrD</b>					
TUNBRIDGE	Severe: depth to rock, slope	Severe: depth to rock, seepage, slope	Severe: depth to rock, seepage, slope	Severe: depth to rock, seepage, slope	Poor: depth to rock, slope, small stones
LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, seepage, slope	Poor: depth to rock, slope
<b>Ud</b>					
UDORTHENTS	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
URBAN LAND	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable